SEQUENCE LISTING

<110>   Daly, John Michael

<120>   Constructs for Gene Expression Analysis

<130>   12177722

<140>   Unassigned
<141>   2003-09-09

<150>   USSN 60/274770
<151>   2001-03-09

<150>   PCT/AU02/00351
<151>   2001-03-08

<160>   57

<170>   PatentIn version 3.2

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<400>   1
uuauuuauu                                                          9


<210>   2
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<400>   2
uuauuuaww                                                          9


<210>   3
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<400>   3
auuua                                                              5


<210>   4
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<213>   mammalian

<400>   4
auuu                                                               4

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<213>   Artificial Sequence

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<223>   AUUUAx3 Version 1

<400>   5
auuuauuuau uua                                                    13


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<212>   RNA
<213>   Artificial Sequence

<220>
<223>   AUUUAx3 Version 2

<400>   6
auuuaauuua auuua                                                  15


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<213>   Artificial Sequence

<220>
<223>   HindIII site

<400>   7
aagctt                                                           6


<210>   8
<211>   129
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Clontech's d1 mutant of MODC

<400>   8
aagcttagcc atggcttccc gccggcggtg gcggcgcagg atgatggcac gctgcccatg    60

tcttgtgccc aggagagcgg gatggaccgt caccctgcag cctgtgcttc tgctaggatc   120

aatgtgtag                                                         129


<210>   9
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<212>   RNA
<213>   Artificial Sequence
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<220>
<223>  RNA destabilising linker

<400>  9
uuauuuauug gcgguuauuu auucggcguu auuuauugcg cguuauuuau uacuag          56


<210>  10
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<220>
<223>  EclHK1 recognition sequence


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<223>  n = any nucleotide

<400>  10
gacnnnnngt c                                                          11


<210>  11
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<213>  Artificial Sequence

<220>
<223>  EclHK1 recognition sequence Example 1


<220>
<221>  misc_feature
<222>  (4)..(5)
<223>  n = any nucleotide

<220>
<221>  misc_feature
<222>  (7)..(8)
<223>  n = any nucleotide

<400>  11
gacnntnngt c                                                          11


<210>  12
<211>  11
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  EclHK1 recognition sequence Example 2
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3

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<222>  (4)..(5)
<223>  n = any nucleotide

<220>
<221>  misc_feature
<222>  (7)..(8)
<223>  n = any nucleotide

<400>  12
gacnnanngt c                                                          11


<210>  13
<211>  9
<212>  DNA
<213>  mammalian

<400>  13
ttatttatt                                                              9


<210>  14
<211>  75
<212>  DNA
<213>  mammalian

<400>  14
aaaacgtttt attgtgtttt taatttattt attaagatgg attctcagat atttatattt     60

ttattttatt ttttt                                                      75


<210>  15
<211>  226
<212>  DNA
<213>  mammalian

<400>  15
atgcatgatc aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc     60

ataatgtaaa ctgcctcaaa ttggactttg ggcataaaag aactttttta tgcttaccat    120

cttttttttt tctttaacag atttgtattt aagaattgtt tttaaaaaat tttaagattt    180

acacaatgtt tctctgtaaa tattgccatt aaatgtaaat aacttt                   226


<210>  16
<211>  73
<212>  DNA
<213>  mammalian

<400>  16
gtatgtttaa attattttta tacactgccc tttcttacct ttctttacat aattgaaata     60
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4

ggtatcctga cca                                                        73


<210>  17
<211>  53
<212>  RNA
<213>  mammalian

<400>  17
aguaauauuu auauauuuau auuuuuaaaa uauuuauuua uuuauuuauu uaa            53


<210>  18
<211>  53
<212>  DNA
<213>  mammalian

<400>  18
agtaatattt atatatttat atttttaaaa tatttattta tttatttatt taa            53


<210>  19
<211>  73
<212>  DNA
<213>  mammalian

<400>  19
aacgttttat tgtgtttttta atttatttat taagatggat tctcagatat ttatattttt   60

attttatttt ttt                                                       73


<210>  20
<211>  70
<212>  DNA
<213>  mammalian

<400>  20
ttttattgtg tttttaattt atttattaag atggattctc agatatttat atttttattt   60

tattttttttt                                                          70


<210>  21
<211>  89
<212>  RNA
<213>  mammalian

<400>  21
uuucguuaac uguguaugua cauauauaua uuuuuuaauu ugauuaaagc ugauuacugu   60

gaauaaacag cuucaugccu uuguaaguu                                      89


<210>  22
<211>  89
<212>  DNA

5

<213> mammalian

<400> 22
tttcgttaac tgtgtatgta catatatata ttttttaatt tgattaaagc tgattactgt     60

gaataaacag cttcatgcct ttgtaagtt                                        89


<210> 23
<211> 6
<212> RNA
<213> mammalian

<400> 23
aauaaa                                                                  6


<210> 24
<211> 89
<212> RNA
<213> Artificial Sequence

<220>
<223> Mutant of Peng c-jun ARE

<400> 24
uuucguuaac uguguaugua cauauauaua uuuuuuaauu ugauuaaagc ugauuacugu     60

ggauccacag cuucaugccu uuguaaguu                                        89


<210> 25
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA encoding mutant of Peng c-jun ARE

<400> 25
tttcgttaac tgtgtatgta catatatata ttttttaatt tgattaaagc tgattactgt     60

ggatccacag cttcatgcct ttgtaagtt                                        89


<210> 26
<211> 36
<212> RNA
<213> mammalian

<400> 26
ucuauuuauu aauauuuaac auuauuuaua uauggg                                36


<210> 27
<211> 36
<212> DNA

6

<213>   mammalian

<400>   27
tctatttatt aatatttaac attatttata tatggg                                    36


<210>   28
<211>   124
<212>   RNA
<213>   mammalian

<400>   28
cucuauuuau uuaaauauuu aacuuuaauu uauuuuugga uguauuguuu acuaacuuuu          60

agugcuuccc acuuaaaaca uaucaggcuu cuauuuauuu aaauauuuaa auuuuauauu          120

uauu                                                                       124


<210>   29
<211>   124
<212>   DNA
<213>   mammalian

<400>   29
ctctatttat ttaaatattt aactttaatt tattttttgga tgtattgttt actaactttt        60

agtgcttccc acttaaaaca tatcaggctt ctatttattt aaatatttaa attttatatt        120

tatt                                                                       124


<210>   30
<211>   46
<212>   RNA
<213>   mammalian

<400>   30
auaaacccua auuuuuuuua uuuaaguaca uuuugcuuuu aaaguu                         46


<210>   31
<211>   46
<212>   DNA
<213>   mammalian

<400>   31
ataaacccta attttttta tttaagtaca ttttgctttt aaagtt                          46


<210>   32
<211>   119
<212>   RNA
<213>   mammalian

<400>   32
uagaauauuu auuaccucug auaccucaac ccccauuucu auuuauuuac ugagcuucuc          60

ugugaacgau uuagaaagaa gcccaauauu auaauuuuuu ucaauauuua uuauuuuca          119


<210>   33
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<212>   DNA
<213>   mammalian

<400>   33
tagaatattt attacctctg atacctcaac ccccatttct atttatttac tgagcttctc          60

tgtgaacgat ttagaaagaa gcccaatatt ataatttttt tcaatattta ttattttca          119


<210>   34
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<212>   RNA
<213>   mammalian

<400>   34
ucagcuauuu acugccaaag ggaaauauca uuuauuuuuu acauuauuaa gaaaaaagau          60

uuauuuauuu aagacagucc caucaaaacu ccgucuuugg aaauc                          105


<210>   35
<211>   105
<212>   DNA
<213>   mammalian

<400>   35
tcagctattt actgccaaag ggaaatatca tttatttttt acattattaa gaaaaaagat          60

ttatttattt aagacagtcc catcaaaact ccgtctttgg aaatc                          105


<210>   36
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<212>   RNA
<213>   mammalian

<400>   36
auuauuuauu auuuauuuau uauuuauuua uuua                                      34


<210>   37
<211>   34
<212>   DNA
<213>   mammailan

<400>   37
attatttatt atttatttat tatttattta ttta                                     34


<210>   38
<211>   55


8

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<212>   RNA
<213>   mammalian

<400>   38
uauuuuauuc cauuaaggcu auuuauuuau guauuuaugu auuuauuuau uuauu          55


<210>   39
<211>   55
<212>   DNA
<213>   mammalian

<400>   39
tattttattc cattaaggct atttatttat gtatttatgt atttatttat ttatt          55


<210>   40
<211>   9
<212>   DNA
<213>   mammalian

<400>   40
ttatttaww                                                               9


<210>   41
<211>   5
<212>   DNA
<213>   mammalian

<400>   41
attta                                                                   5


<210>   42
<211>   4
<212>   DNA
<213>   mammalian

<400>   42
attt                                                                    4


<210>   43
<211>   25
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Consensus DST sequence


<220>
<221>   misc_feature
<222>   (5)..(5)
<223>   n = from 2-9 nucleotides, wherein each individual nucleotide can
        be any nucleotide
```

9

```
<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n = from 3-8 nucleotides, wherein each individual nucleotide can
       be any nucleotide

<400>  43
ggagncatag attanmwwtt tgtay                                          25


<210>  44
<211>  25
<212>  DNA
<213>  Soybean


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n = 5 nucleotides , wherein each individual nucleotide can be any
       nucleotide

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n =8 nucleotides , wherein each individual nucleotide can be any
       nucleotide

<400>  44
ggagncatag attanaaatt tgtac                                          25


<210>  45
<211>  25
<212>  DNA
<213>  Arabidopsis


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n = 9 nucleotides , wherein each individual nucleotide can be any
       nucleotide

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n = 8 nucleotides , wherein each individual nucleotide can be any
       nucleotide

<400>  45
ggaancatag atcgncaatg cgtat                                          25


<210>  46
<211>  30
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<212>    RNA
<213>    mammalian

<400>    46
guucuugcuu caacaguguu ugaacggaac                                    30


<210>    47
<211>    30
<212>    DNA
<213>    mammalian

<400>    47
gttcttgctt caacagtgtt tgaacggaac                                    30


<210>    48
<211>    29
<212>    RNA
<213>    mammalian

<400>    48
gauuaucggg agcagugucu uccauaauc                                     29


<210>    49
<211>    29
<212>    DNA
<213>    mammalian

<400>    49
gattatcggg agcagtgtct tccataatc                                     29


<210>    50
<211>    226
<212>    DNA
<213>    mammalian

<400>    50
atgcatgatc aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc    60

ataatgtaaa ctgcctcaaa ttggactttg ggcataaaag aacttttta tgcttaccat     120

ctttttttt tctttaacag atttgtattt aagaattgtt tttaaaaaat tttaagattt     180

acacaatgtt tctctgtaaa tattgccatt aaatgtaaat aacttt                   226


<210>    51
<211>    30
<212>    RNA
<213>    mammalian


<220>
<221>    misc_feature
```

11

```
<222>   (4)..(4)
<223>   n = from 20-40 nucleotides, wherein individual nucleotides are
        selected from any nucleotide

<220>
<221>   misc_feature
<222>   (19)..(19)
<223>   n is a, c, g, or u

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uganccaaag gyyyuuyuna rrrccaccca                                    30


<210>   52
<211>   30
<212>   DNA
<213>   mammalian


<220>
<221>   misc_feature
<222>   (4)..(4)
<223>   n = from 20-40 nucleotides, wherein individual nucleotides are
        selected from any nucleotide

<220>
<221>   misc_feature
<222>   (19)..(19)
<223>   n is a, c, g, or t

<400>   52
tganccaaag gyyyttytna rrrccaccca                                    30


<210>   53
<211>   16
<212>   RNA
<213>   mammalian


<220>
<221>   misc_feature
<222>   (5)..(5)
<223>   n = any number of nucleotides, wherein individual nucleotides are
        selected from any nucleotide

<220>
<221>   misc_feature
<222>   (11)..(11)
<223>   n = any number of nucleotides, wherein individual nucleotides are
        selected from pyrimidines

<400>   53
yccancccwy yucycc                                                   16


<210>   54
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```
<211>  46
<212>  DNA
<213>  mammalian

<400>  54
cctcctgccc gctgggcctc ccaacgggcc ctcctcccct ccttgc                      46


<210>  55
<211>  5
<212>  DNA
<213>  mammalian

<400>  55
cctcc                                                                    5


<210>  56
<211>  9
<212>  DNA
<213>  mammalian

<400>  56
cctcctgcc                                                                9


<210>  57
<211>  14
<212>  DNA
<213>  mammalian

<400>  57
ccctcctccc ctgg                                                         14
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